

## EAST Search History

S10	3	(filter\$3 or criteria\$3 or select\$5 or choos\$5) with (deadlock\$3 or failure\$3 or fail\$3) with (flag\$3 or boolean\$2 or semapho\$3) same (victim\$3 or candida\$5)	USPAT	OR	OFF	2005/07/22 11:15
S11	31	(filter\$3 or criteria\$3 or select\$5 or choos\$5) same (deadlock\$3 or failure\$3 or fail\$3) same (flag\$3 or boolean\$2 or semapho\$3) same (victim\$3 or candida\$5)	USPAT	OR	OFF	2005/07/22 11:15
S12	20	("4606002"   "4677550"   "4791561"   "4805099"   "4947320"   "5089952"   "5123104"   "5163148"   "5197702"   "5204958"   "5247684"   "5265224"   "5274809"   "5295262"   "5307487"   "5428761"   "5430869"   "5502840"   "5515538"   "5553267").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 11:40
S13	14	S12 and (flag\$3 or semaphor\$3 or bit\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 11:40
S14	44256	S12 and deadlock\$3 or lock\$2 same (flag\$3 or semaphor\$3 or bit\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 11:41
S15	44404	"1212" and deadlock\$3 or lock\$2 same (flag\$3 or semaphor\$3 or bit\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 11:41
S16	44256	S12 and deadlock\$3 or lock\$2 same (flag\$3 or semaphor\$3 or bit\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 11:41
S17	5	S12 and (deadlock\$3 or lock\$2) same (flag\$3 or semaphor\$3 or bit\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 11:42
S18	2	S12 and (deadlock\$3 ) same (flag\$3 or semaphor\$3 or bit\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 11:42
S19	265	(filter\$3 or criteria\$3 or select\$5 or choos\$5) with (deadlock\$3 or failure\$3 or fail\$3) with (flag\$3 or boolean\$2 or semapho\$3)	USPAT	OR	OFF	2005/07/22 13:20
S20	12	(filter\$3 or criteria\$3 or select\$5 or choos\$5) with (deadlock\$3 ) with (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)	USPAT	OR	OFF	2005/07/22 14:03

## EAST Search History

S21	3	(filter\$3 or criteria\$3 or select\$5 or choos\$5) same (deadlock\$3 ) same (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same resolv\$3	USPAT	OR	OFF	2005/07/22 13:26
S22	4	(filter\$3 or criteria\$3 or select\$5 or choos\$5) same (deadlock\$3 ) same (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same (candidat\$3 or victim\$5)	USPAT	OR	OFF	2005/07/22 14:04
S23	20	("4606002"   "4677550"   "4791561"   "4805099"   "4947320"   "5089952"   "5123104"   "5163148"   "5197702"   "5204958"   "5247684"   "5265224"   "5274809"   "5295262"   "5307487"   "5428761"   "5430869"   "5502840"   "5515538"   "5553267").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 13:51
S24	19	S23 and (flage\$3 or indicat\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 13:51
S25	4	S24 and deadlock\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 13:51
S26	231022	(filter\$3 or criteria\$3 or select\$5 or choos\$5) with (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)	USPAT	OR	OFF	2005/07/22 13:53
S27	24	(filter\$3 or criteria\$3 or select\$5 or choos\$5) with (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same deadlock	USPAT	OR	OFF	2005/07/22 13:56
S28	34	(filter\$3 or criteria\$3 or select\$5 or choos\$5) with (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same deadlock	US-PGPUB; USPAT	OR	OFF	2005/07/22 13:58
S29	5	(filter\$3 or criteria\$3 or select\$5 or choos\$5) same (deadlock\$3 ) same (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same (candidat\$3 or victim\$5)	US-PGPUB; USPAT	OR	OFF	2005/07/22 13:57
S30	36	(filter\$3 or criteria\$3 or select\$5 or choos\$5) with (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same deadlock	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/22 13:59

## EAST Search History

S31	17	(filter\$3 or criteria\$3 or select\$5 or choos\$5) with (deadlock\$3 ) with (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)	US-PGPUB; USPAT	OR	OFF	2005/07/22 14:00
S32	345	(deadlock\$3 ) with (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)	US-PGPUB; USPAT	OR	OFF	2005/07/22 14:02
S33	10	(deadlock\$3 ) same (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same (candidat\$3 or victim\$5)	USPAT	OR	OFF	2005/07/22 14:03
S34	12	(deadlock\$3 ) with (flag\$3 or boolean\$2 or semapho\$3 or indica\$5).ab.	US-PGPUB; USPAT	OR	OFF	2005/07/22 14:03
S35	12300	(flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same (candidat\$3 or victim\$5)	USPAT	OR	OFF	2005/07/22 14:03
S36	231022	(filter\$3 or criteria\$3 or select\$5 or choos\$5) with (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)	USPAT	OR	OFF	2005/07/22 14:03
S37	4161	(filter\$3 or criteria\$3 or select\$5 or choos\$5) same (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same (candidat\$3 or victim\$5)	USPAT	OR	OFF	2005/07/22 14:04
S38	143	(filter\$3 or criteria\$3 or select\$5 or choos\$5) same (flag\$3 or boolean\$2 or semapho\$3 or indica\$5)same (candidat\$3 or victim\$5).ab.	USPAT	OR	OFF	2005/07/22 14:16
S39	1	S38 and deadlock	USPAT	OR	OFF	2005/07/22 14:04
S40	1	("5832484").PN.	USPAT	OR	OFF	2005/07/22 14:52
S41	1	("5835766").PN.	USPAT	OR	OFF	2005/07/22 15:09
S42	774	707/8.ccls.	USPAT	OR	OFF	2005/07/22 15:10
S43	244	S42 and flag	USPAT	OR	OFF	2005/07/22 15:10
S44	8	S42 and deadlock\$2 same flag	USPAT	OR	OFF	2005/07/22 15:18
S45	2	S42 and(filter\$3 or select\$5 or choos\$5) with deadlock\$2 same flag	USPAT	OR	OFF	2005/07/22 15:19
S46	1	S42 and(victim\$3 or candida\$5) with deadlock\$2 same flag	USPAT	OR	OFF	2005/07/22 15:20
S47	8	S42 and(victim\$3 or candida\$5) same flag	USPAT	OR	OFF	2005/07/22 15:25
S48	1	("6539446").PN.	USPAT	OR	OFF	2005/07/22 15:36

## EAST Search History

S49	31	filter\$3 with (flag\$3) with (resource\$3 or task\$3 or transaction\$3)	USPAT	OR	OFF	2005/07/22 15:36
S50	0	filter\$3 with (flag\$3) with (resource\$3 or task\$3 or transaction\$3) and deadlock	USPAT	OR	OFF	2005/07/22 15:36
S51	1	filter\$3 same (flag\$3) same (resource\$3 or task\$3 or transaction\$3) and deadlock	USPAT	OR	OFF	2005/07/22 15:52
S52	24	filter\$3 same (flag\$3) and deadlock	USPAT	OR	OFF	2005/07/22 15:51
S53	1	filter\$3 same (flag\$3) same (resource\$3 or task\$3 or transaction\$3) same lock	USPAT	OR	OFF	2005/07/22 15:45
S54	1	filter\$3 same (flag\$3) same (resource\$3 or task\$3 or transaction\$3) same dead	USPAT	OR	OFF	2005/07/22 15:46
S55	1	(filter\$3 or criteria) same (flag\$3) same (resource\$3 or task\$3 or transaction\$3) same dead	USPAT	OR	OFF	2005/07/22 16:11
S56	264	(filter\$3 or criteria) same (flag\$3) same (resource\$3 or task\$3 or transaction\$3)	USPAT	OR	OFF	2005/07/22 15:46
S57	2	(filter\$3 or criteria) same (flag\$3) same (resource\$3 or task\$3 or transaction\$3) .ab.	USPAT	OR	OFF	2005/07/22 15:46
S58	1	("6807540").PN.	USPAT	OR	OFF	2005/07/22 15:51
S59	2	filter\$3 same (flag\$3) same (resource\$3 or task\$3 or transaction\$3) and deadlock	US-PGPUB; USPAT	OR	OFF	2005/07/22 15:53
S60	264	(filter\$3 or criteria) same (flag\$3) same (resource\$3 or task\$3 or transaction\$3)	USPAT	OR	OFF	2005/07/22 16:11
S61	2	(filter\$3 or criteria) same (flag\$3) same (resource\$3 or task\$3 or transaction\$3).ab.	USPAT	OR	OFF	2005/07/22 16:13
S62	108	(filter\$3 or criteria) same (flag\$3) with (resource\$3 or task\$3 or transaction\$3)	USPAT	OR	OFF	2005/07/22 16:14
S63	1096	(filter\$3 a) same (flag\$3) with (resource\$3 or task\$3 or transaction\$3)	USPAT	OR	OFF	2005/07/22 16:14
S64	63	(filter\$3 ) same (flag\$3) with (resource\$3 or task\$3 or transaction\$3)	USPAT	OR	OFF	2005/07/22 16:20
S65	1421	(filter\$3 ) with (flag\$3)	USPAT	OR	OFF	2005/07/22 16:20

## EAST Search History

S66	0	(filter\$3 ) with (base\$3 adj on) with(flag\$3)	USPAT	OR	OFF	2005/07/22 16:21
S67	1421	(filter\$3 ) with(flag\$3)	USPAT	OR	OFF	2005/07/22 16:21
S68	38	(filter\$3 ) with( flag\$3) .ab.	USPAT	OR	OFF	2005/07/22 16:22
S69	52	(filter\$3 ) with( flag\$3) with event\$3	USPAT	OR	OFF	2005/07/22 17:22
S70	1	("4966604").PN.	USPAT	OR	OFF	2005/07/22 16:32
S71	1	("4979951").PN.	USPAT	OR	OFF	2005/07/22 16:32
S72	1	("5643296").PN.	USPAT	OR	OFF	2005/07/22 16:33
S73	1	("5911734").PN.	USPAT	OR	OFF	2005/07/22 16:33
S74	1	("6638233").PN.	USPAT	OR	OFF	2005/07/22 16:33
S75	25	(establish\$5 or creat\$5 or generat\$5) with resource\$5 with deadlock	USPAT	OR	OFF	2005/07/25 09:26
S76	0	(establish\$5 or creat\$5 or generat\$5) with resource\$5 with deadlock with filter\$3	USPAT	OR	OFF	2005/07/25 09:26
S77	3	(establish\$5 or creat\$5 or generat\$5) same resource\$5 same deadlock same filter\$3	USPAT	OR	OFF	2005/07/25 09:28
S78	3671	(virtual\$3 adj machine\$2)or runtime\$2 with distribut\$5 with task\$3	USPAT	OR	OFF	2005/07/25 09:29
S79	3646	(virtual\$3 adj machine\$2)or runtime\$2 with distribut\$5 with task\$3 with client\$3	USPAT	OR	OFF	2005/07/25 09:29
S80	3646	(virtual\$3 adj machine\$2)or runtime\$2 with distribut\$5 with task\$3 with client\$3 with peer\$3	USPAT	OR	OFF	2005/07/25 09:29
S81	3646	(virtual\$3 adj machine\$2)or runtime\$2 with distribut\$5 with task\$3 with client\$3 with peer\$3. ab.	USPAT	OR	OFF	2005/07/25 09:29
S82	4066	(virtual\$3 adj machine\$2)or runtime\$2 with distribut\$5 with task\$3 with client\$3 with peer\$3-to- peer\$3.ab.	USPAT	OR	OFF	2005/07/25 09:30
S83	435	((virtual\$3 adj machine\$2)or runtime\$2) with distribut\$5 with task\$3 with client\$3 with peer\$3-to- peer\$3.ab.	USPAT	OR	OFF	2005/07/25 09:30

## EAST Search History

S84	5	((virtual\$3 adj machine\$2) or runtime\$2) with distribut\$5 with task\$3 with client\$3 with peer\$3-to- peer\$3 with workload\$3	USPAT	OR	OFF	2005/07/25 09:31
S85	5	((virtual\$3 adj machine\$2) or runtime\$2) with distribut\$5 with task\$3 with client\$3 with peer\$3-to- peer\$3 with workload\$3	USPAT	OR	OFF	2005/07/25 09:31
S86	0	((virtual\$3 adj machine\$2) or runtime\$2) with distribut\$5 with task\$3 with client\$3 ).ab.	USPAT	OR	OFF	2005/07/25 09:31
S87	0	((virtual\$3 adj machine\$2) or runtime\$2) with distribut\$5 with task\$3 with client\$3 )	USPAT	OR	OFF	2005/07/25 09:32
S88	45	((virtual\$3 adj machine\$2) or runtime\$2) with distribut\$5 with task\$3 )	USPAT	OR	OFF	2005/07/25 09:35
S89	2	((virtual\$3 adj machine\$2) or runtime\$2) with distribut\$5 with task\$3 )same (broker\$3 or layer\$3 or intermedia\$3)	USPAT	OR	OFF	2005/07/25 10:08
S90	9	((virtual\$3 adj machine\$2) or runtime\$2) same distribut\$5 same task\$3 )same (broker\$3 or layer\$3 or intermedia\$3)	USPAT	OR	OFF	2005/07/25 09:53
S91	53	((virtual\$3 adj machine\$2) or runtime\$2) same task\$3 )same (broker\$3 or layer\$3 or intermedia\$3)	USPAT	OR	OFF	2005/07/25 09:53
S92	2	((virtual\$3 adj machine\$2) or runtime\$2) with distribut\$5 with task\$3 )same (broker\$3 or layer\$3 )	USPAT	OR	OFF	2005/07/25 10:08
S93	39	((virtual\$3 adj machine\$2) or runtime\$2) same distribut\$5 same( task\$3 or thread\$5 or application\$3) )same (broker\$3 or layer\$3 )	USPAT	OR	OFF	2005/07/25 10:23
S94	84	((virtual\$3 adj machine\$2) or runtime\$2) same client\$5 same( task\$3 or thread\$5 or application\$3) )same (broker\$3 or layer\$3 )	USPAT	OR	OFF	2005/07/25 10:30

## EAST Search History

S95	57	(distribut\$5 or sen\$5)same (borker\$3 or lay\$3 or cobra\$3) same ( task\$3 or thread\$5 or application\$3) same((virtual\$3 adj machine\$2) or runtime\$2)	USPAT	OR	OFF	2005/07/25 14:30
S96	9	("4625081"   "4694396"   "4768150"   "4835685"   "4849880"   "4862349"   "4885681"   "4893307"   "4916608").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 10:37
S97	3	server\$3 with distribut\$5 with (task\$3 or application\$3 or workload\$3) with (broker\$2 or layer\$3) same (virutal\$3 with machine\$3 or runtime\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 10:42
S98	40	server\$3 same distribut\$5 same (task\$3 or application\$3 or workload\$3) same (broker\$2 or layer\$3) same (virutal\$3 with machine\$3 or runtime\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 11:07
S99	1778	server\$3 same distribut\$5 same (task\$3 or application\$3 or workload\$3) same (broker\$2 or layer\$3 or cobra\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 11:08
S10 0	54	server\$3 same distribut\$5 same (task\$3 or application\$3 or workload\$3) same (broker\$2 or layer\$3 or cobra\$3) .ab.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 11:22
S10 1	5	server\$3 same distribut\$5 same (task\$3 or workload\$3) same (broker\$2 or layer\$3 or cobra\$3) . ab.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 11:26
S10 2	210	server\$3 same distribut\$5 same (task\$3 or workload\$3) same (broker\$2 or layer\$3 or cobra\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 11:27
S10 3	85	server\$3 same distribut\$5 with (task\$3 or workload\$3) same (broker\$2 or layer\$3 or cobra\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 11:27
S10 4	37	server\$3 same distribut\$5 with (task\$3 or workload\$3) with (broker\$2 or layer\$3 or cobra\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 11:56
S10 5	18	client\$3 same distribut\$5 with (task\$3 or workload\$3) with (broker\$2 or layer\$3 or cobra\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 13:48
S10 6	193	distribut\$5 with (task\$3 or workload\$3) with (broker\$2 or layer\$3 or cobra\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 11:57

## EAST Search History

S23 4	9	name\$2 adj pipe\$2 with transfer	USPAT	OR	OFF	2006/09/12 16:00
S23 5	2	name\$2 adj pipe\$2 with transfer same database	USPAT	OR	OFF	2006/09/13 09:51
S23 6	1	("5544353").PN.	USPAT	OR	OFF	2006/09/13 10:49
S23 7	1	("4354227").PN.	USPAT	OR	OFF	2006/09/13 11:31
S23 8	50	lock\$2 with file\$3 with descript\$5	USPAT	OR	OFF	2006/09/13 11:32
S23 9	11	lock\$2 with file\$3 with descript\$5 same resource\$3	USPAT	OR	OFF	2006/09/13 11:41
S24 0	4	lock\$2 with file\$3 with descript\$5 same resource\$3 same (determ\$5 or if\$3 or check\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 11:42
S24 1	11	lock\$2 with file\$3 with descript\$5 same (determ\$5 or if\$3 or check\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 14:00
S24 2	121	lock\$2 with (file\$3 or descript\$5) same resource\$3 same (determ\$5 or if\$3 or check\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 11:58
S24 3	57	lock\$2 with (file\$3 or descript\$5) with resource\$3 same (determ\$5 or if\$3 or check\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 11:59
S24 4	11	lock\$2 with ( descript\$5) with resource\$3 same (determ\$5 or if\$3 or check\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 12:03
S24 5	16	lock\$2 with ( descript\$5) same resource\$3 same (determ\$5 or if\$3 or check\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 12:03
S24 6	1	("6141759").PN.	USPAT	OR	OFF	2006/09/13 14:00